

## WEST Search History

DATE: Thursday, March 07, 2002

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=USPT,PGPB; PLUR=YES; OP=ADJ</i>			
L12	L11 and l7	58	L12
L11	l10 and (dna or cdna or nucleic acid or polynucleotide)	88	L11
L10	l9 and (corynebacteria or corynebacteria glutamicum)	88	L10
L9	transcription regulator or transcriptional regulation	1583	L9
L8	Mike17	0	L8
L7	l6 or l5 or l4 or l3 or l2 or l1	18270	L7
L6	((((536/23.2 )!.CCLS. ) )	3392	L6
L5	((((530/350 )!.CCLS. ) )	6330	L5
L4	((((435/320.1 )!.CCLS. ) )	10584	L4
L3	((((435/252.32 )!.CCLS. ) )	110	L3
L2	((((435/252.3 )!.CCLS. ) )	5229	L2
L1	((435/69.1 )!.CCLS. )	7134	L1

END OF SEARCH HISTORY

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 10 of 58 returned.**☐ 1. Document ID: US 20020028482 A1

L12: Entry 1 of 58

File: PGPB

Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020028482

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020028482 A1

TITLE: NIP45 HUMAN HOMOLOG

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Draw. Desc	Image										

☐ 2. Document ID: US 20020028449 A1

L12: Entry 2 of 58

File: PGPB

Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020028449

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020028449 A1

TITLE: 26 Human secreted proteins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Draw. Desc	Image										

☐ 3. Document ID: US 20020012966 A1

L12: Entry 3 of 58

File: PGPB

Jan 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020012966

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020012966 A1

TITLE: 18 Human secreted proteins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Draw. Desc	Image										

☐ 4. Document ID: US 20020006640 A1

L12: Entry 4 of 58

File: PGPB

Jan 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020006640

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020006640 A1

TITLE: Uteroglobin-like polynucleotides, polypeptides, and antibodies

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Draw Desc	Image										

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☐ 5. Document ID: US 20020004489 A1

L12: Entry 5 of 58

File: PGPB

Jan 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020004489

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020004489 A1

TITLE: Retinoid receptor interacting polynucleotides, polypeptides, and antibodies

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments		KWIC
Draw Desc	Image										

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☐ 6. Document ID: US 20010021700 A1

L12: Entry 6 of 58

File: PGPB

Sep 13, 2001

PGPUB-DOCUMENT-NUMBER: 20010021700

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010021700 A1

TITLE: 49 human secreted proteins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments		KWIC
Draw Desc	Image										

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☐ 7. Document ID: US 6335157 B1

L12: Entry 7 of 58

File: USPT

Jan 1, 2002

US-PAT-NO: 6335157

DOCUMENT-IDENTIFIER: US 6335157 B1

TITLE: Method based on localization of Hsp90 to the centrosome

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

☐ 8. Document ID: US 6309820 B1

L12: Entry 8 of 58

File: USPT

Oct 30, 2001

US-PAT-NO: 6309820

DOCUMENT-IDENTIFIER: US 6309820 B1

TITLE: Polypeptides having a functional domain of interest and methods of identifying and using same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

☐ 9. Document ID: US 6300482 B1

L12: Entry 9 of 58

File: USPT

Oct 9, 2001

US-PAT-NO: 6300482

DOCUMENT-IDENTIFIER: US 6300482 B1

TITLE: MDKI, a novel receptor tyrosine kinase

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

☐ 10. Document ID: US 6291230 B1

L12: Entry 10 of 58

File: USPT

Sep 18, 2001

US-PAT-NO: 6291230

DOCUMENT-IDENTIFIER: US 6291230 B1

TITLE: Galk promoter

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

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Search Results - Record(s) 11 through 20 of 58 returned.

☐ 11. Document ID: US 6221843 B1

L12: Entry 11 of 58

File: USPT

Apr 24, 2001

US-PAT-NO: 6221843

DOCUMENT-IDENTIFIER: US 6221843 B1

TITLE: Human keratins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWIC

☐ 12. Document ID: US 6207646 B1

L12: Entry 12 of 58

File: USPT

Mar 27, 2001

US-PAT-NO: 6207646

DOCUMENT-IDENTIFIER: US 6207646 B1

TITLE: Immunostimulatory nucleic acid molecules

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWIC

☐ 13. Document ID: US 6207148 B1

L12: Entry 13 of 58

File: USPT

Mar 27, 2001

US-PAT-NO: 6207148

DOCUMENT-IDENTIFIER: US 6207148 B1

TITLE: Disease associated protein kinases

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWIC

☐ 14. Document ID: US 6201106 B1

L12: Entry 14 of 58

File: USPT

Mar 13, 2001

US-PAT-NO: 6201106  
DOCUMENT-IDENTIFIER: US 6201106 B1

TITLE: Cytokine signal regulators

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KIMC](#)

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☐ 15. Document ID: US 6136779 A

L12: Entry 15 of 58

File: USPT

Oct 24, 2000

US-PAT-NO: 6136779  
DOCUMENT-IDENTIFIER: US 6136779 A

TITLE: Methods of specifically transcriptionally modulating the  
expression of gene of interest

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KIMC](#)

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☐ 16. Document ID: US H001892 H

L12: Entry 16 of 58

File: USPT

Oct 3, 2000

US-PAT-NO: H001892  
DOCUMENT-IDENTIFIER: US H001892 H

TITLE: High volume nutrient based yeast two-hybrid assay for the  
identification of specific protein:protein interacting inhibitors

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KIMC](#)

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☐ 17. Document ID: US 6096545 A

L12: Entry 17 of 58

File: USPT

Aug 1, 2000

US-PAT-NO: 6096545  
DOCUMENT-IDENTIFIER: US 6096545 A

TITLE: Phosphate starvation-inducible proteins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KIMC](#)

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☐ 18. Document ID: US 6071721 A

L12: Entry 18 of 58

File: USPT

Jun 6, 2000

US-PAT-NO: 6071721

DOCUMENT-IDENTIFIER: US 6071721 A

TITLE: Calcium binding protein

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

☐ 19. Document ID: US 6057136 A

L12: Entry 19 of 58

File: USPT

May 2, 2000

US-PAT-NO: 6057136

DOCUMENT-IDENTIFIER: US 6057136 A

TITLE: Biotin biosynthesis in Bacillus subtilis

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

☐ 20. Document ID: US 6048718 A

L12: Entry 20 of 58

File: USPT

Apr 11, 2000

US-PAT-NO: 6048718

DOCUMENT-IDENTIFIER: US 6048718 A

TITLE: ATP synthase coupling factor 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

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**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 21 through 30 of 58 returned.**☐ 21. Document ID: US 6033893 A

L12: Entry 21 of 58

File: USPT

Mar 7, 2000

US-PAT-NO: 6033893

DOCUMENT-IDENTIFIER: US 6033893 A

TITLE: Human cathepsin

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KIMC](#)☐ 22. Document ID: US 6030822 A

L12: Entry 22 of 58

File: USPT

Feb 29, 2000

US-PAT-NO: 6030822

DOCUMENT-IDENTIFIER: US 6030822 A

TITLE: Extracellular signal-regulated kinase, sequences, and methods of production and use

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KIMC](#)☐ 23. Document ID: US 6020474 A

L12: Entry 23 of 58

File: USPT

Feb 1, 2000

US-PAT-NO: 6020474

DOCUMENT-IDENTIFIER: US 6020474 A

TITLE: ATP synthase subunits

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KIMC](#)☐ 24. Document ID: US 6020165 A

L12: Entry 24 of 58

File: USPT

Feb 1, 2000

US-PAT-NO: 6020165  
DOCUMENT-IDENTIFIER: US 6020165 A  
TITLE: Cytikine signal regulators

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

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☐ 25. Document ID: US 6013450 A

L12: Entry 25 of 58

File: USPT

Jan 11, 2000

US-PAT-NO: 6013450  
DOCUMENT-IDENTIFIER: US 6013450 A

TITLE: CAF1-related protein

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

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☐ 26. Document ID: US 6011137 A

L12: Entry 26 of 58

File: USPT

Jan 4, 2000

US-PAT-NO: 6011137  
DOCUMENT-IDENTIFIER: US 6011137 A

TITLE: Identification and isolation of novel polypeptides having WW domains and methods of using same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

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☐ 27. Document ID: US 5998372 A

L12: Entry 27 of 58

File: USPT

Dec 7, 1999

US-PAT-NO: 5998372  
DOCUMENT-IDENTIFIER: US 5998372 A

TITLE: Zinc ring protein

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

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☐ 28. Document ID: US 5994081 A

L12: Entry 28 of 58

File: USPT

Nov 30, 1999

US-PAT-NO: 5994081

DOCUMENT-IDENTIFIER: US 5994081 A

TITLE: Human keratins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

☐ 29. Document ID: US 5986055 A

L12: Entry 29 of 58

File: USPT

Nov 16, 1999

US-PAT-NO: 5986055

DOCUMENT-IDENTIFIER: US 5986055 A

TITLE: CDK2 interactions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMIC

☐ 30. Document ID: US 5977311 A

L12: Entry 30 of 58

File: USPT

Nov 2, 1999

US-PAT-NO: 5977311

DOCUMENT-IDENTIFIER: US 5977311 A

TITLE: 53BP2 complexes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

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**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 31 through 40 of 58 returned.**☐ 31. Document ID: US 5976793 A

L12: Entry 31 of 58

File: USPT

Nov 2, 1999

US-PAT-NO: 5976793

DOCUMENT-IDENTIFIER: US 5976793 A

TITLE: Methods of transcriptionally modulating gene expression and of discovering chemicals capable as gene expression modulators

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw. Desc	Image								

[KIMC](#)☐ 32. Document ID: US 5972660 A

L12: Entry 32 of 58

File: USPT

Oct 26, 1999

US-PAT-NO: 5972660

DOCUMENT-IDENTIFIER: US 5972660 A

TITLE: Human hydroxypyruvate reductase

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw. Desc	Image								

[KIMC](#)☐ 33. Document ID: US 5965396 A

L12: Entry 33 of 58

File: USPT

Oct 12, 1999

US-PAT-NO: 5965396

DOCUMENT-IDENTIFIER: US 5965396 A

TITLE: Human lymph node derived GTPase

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw. Desc	Image								

[KIMC](#)☐ 34. Document ID: US 5962646 A

L12: Entry 34 of 58

File: USPT

Oct 5, 1999

US-PAT-NO: 5962646  
DOCUMENT-IDENTIFIER: US 5962646 A

TITLE: ATP synthase Fo subunit

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KIMC](#)

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☐ 35. Document ID: US 5962232 A

L12: Entry 35 of 58

File: USPT

Oct 5, 1999

US-PAT-NO: 5962232  
DOCUMENT-IDENTIFIER: US 5962232 A

TITLE: Protein kinase molecules

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KIMC](#)

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☐ 36. Document ID: US 5955429 A

L12: Entry 36 of 58

File: USPT

Sep 21, 1999

US-PAT-NO: 5955429  
DOCUMENT-IDENTIFIER: US 5955429 A

TITLE: Human apoptosis-associated protein

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KIMC](#)

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☐ 37. Document ID: US 5948641 A

L12: Entry 37 of 58

File: USPT

Sep 7, 1999

US-PAT-NO: 5948641  
DOCUMENT-IDENTIFIER: US 5948641 A

TITLE: Polynucleotides encoding a metal response element binding protein

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KIMC](#)

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☐ 38. Document ID: US 5919685 A

L12: Entry 38 of 58

File: USPT

Jul 6, 1999

US-PAT-NO: 5919685

DOCUMENT-IDENTIFIER: US 5919685 A

TITLE: Human aflatoxin B1 aldehyde reductase

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 39. Document ID: US 5885803 A

L12: Entry 39 of 58

File: USPT

Mar 23, 1999

US-PAT-NO: 5885803

DOCUMENT-IDENTIFIER: US 5885803 A

TITLE: Disease associated protein kinases

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 40. Document ID: US 5863733 A

L12: Entry 40 of 58

File: USPT

Jan 26, 1999

US-PAT-NO: 5863733

DOCUMENT-IDENTIFIER: US 5863733 A

TITLE: Methods of transcriptionally modulating gene expression and of discovering chemicals capable of functioning as gene expression modulators

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 41 through 50 of 58 returned.**☐ 41. Document ID: US 5861496 A

L12: Entry 41 of 58

File: USPT

Jan 19, 1999

US-PAT-NO: 5861496

DOCUMENT-IDENTIFIER: US 5861496 A

TITLE: Human squalene epoxidase

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KIMC](#)☐ 42. Document ID: US 5861495 A

L12: Entry 42 of 58

File: USPT

Jan 19, 1999

US-PAT-NO: 5861495

DOCUMENT-IDENTIFIER: US 5861495 A

TITLE: Human zinc binding proteins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KIMC](#)☐ 43. Document ID: US 5858715 A

L12: Entry 43 of 58

File: USPT

Jan 12, 1999

US-PAT-NO: 5858715

DOCUMENT-IDENTIFIER: US 5858715 A

TITLE: Human apoptosis-associated protein

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KIMC](#)☐ 44. Document ID: US 5858367 A

L12: Entry 44 of 58

File: USPT

Jan 12, 1999

US-PAT-NO: 5858367  
DOCUMENT-IDENTIFIER: US 5858367 A

TITLE: Methods for screening for antimicrobials utilizing AarC and compositions thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

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☐ 45. Document ID: US 5849527 A

L12: Entry 45 of 58                      File: USPT                      Dec 15, 1998

US-PAT-NO: 5849527  
DOCUMENT-IDENTIFIER: US 5849527 A

TITLE: Polynucleotides encoding ATP synthase coupling factor 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

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☐ 46. Document ID: US 5840535 A

L12: Entry 46 of 58                      File: USPT                      Nov 24, 1998

US-PAT-NO: 5840535  
DOCUMENT-IDENTIFIER: US 5840535 A

TITLE: DNA encoding a zinc ring protein

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

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☐ 47. Document ID: US 5831052 A

L12: Entry 47 of 58                      File: USPT                      Nov 3, 1998

US-PAT-NO: 5831052  
DOCUMENT-IDENTIFIER: US 5831052 A

TITLE: New human translocation associated protein

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

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☐ 48. Document ID: US 5827711 A



L12: Entry 48 of 58

File: USPT

Oct 27, 1998

US-PAT-NO: 5827711

DOCUMENT-IDENTIFIER: US 5827711 A

TITLE: Succinate-ubiquinone reductase subunit

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 49. Document ID: US 5786150 A

L12: Entry 49 of 58

File: USPT

Jul 28, 1998

US-PAT-NO: 5786150

DOCUMENT-IDENTIFIER: US 5786150 A

TITLE: F.sub.0 ATP synthase subunit

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 50. Document ID: US 5776759 A

L12: Entry 50 of 58

File: USPT

Jul 7, 1998

US-PAT-NO: 5776759

DOCUMENT-IDENTIFIER: US 5776759 A

TITLE: Two novel human cathepsin proteins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

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**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 51 through 58 of 58 returned.**☐ 51. Document ID: US 5763248 A

L12: Entry 51 of 58

File: USPT

Jun 9, 1998

US-PAT-NO: 5763248

DOCUMENT-IDENTIFIER: US 5763248 A

TITLE: CDNA encoding a human ATP synthase Fo subunit (ASYSD)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KIMC](#)☐ 52. Document ID: US 5756684 A

L12: Entry 52 of 58

File: USPT

May 26, 1998

US-PAT-NO: 5756684

DOCUMENT-IDENTIFIER: US 5756684 A

TITLE: Cloning and expression of PUR protein

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KIMC](#)☐ 53. Document ID: US 5738990 A

L12: Entry 53 of 58

File: USPT

Apr 14, 1998

US-PAT-NO: 5738990

DOCUMENT-IDENTIFIER: US 5738990 A

TITLE: Sequence-directed DNA-binding molecules compositions and methods

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

[KIMC](#)☐ 54. Document ID: US 5714377 A

L12: Entry 54 of 58

File: USPT

Feb 3, 1998

US-PAT-NO: 5714377

DOCUMENT-IDENTIFIER: US 5714377 A

TITLE: Modified fungal cells and method for producing recombinant products

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMOC
Draw Desc	Image									

☐ 55. Document ID: US 5665543 A

L12: Entry 55 of 58

File: USPT

Sep 9, 1997

US-PAT-NO: 5665543

DOCUMENT-IDENTIFIER: US 5665543 A

TITLE: Method of discovering chemicals capable of functioning as gene expression modulators

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMOC
Draw Desc	Image									

☐ 56. Document ID: US 5641660 A

L12: Entry 56 of 58

File: USPT

Jun 24, 1997

US-PAT-NO: 5641660

DOCUMENT-IDENTIFIER: US 5641660 A

TITLE: Glutamicum threonine biosynthetic pathway

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMOC
Draw Desc	Image									

☐ 57. Document ID: US 5591631 A

L12: Entry 57 of 58

File: USPT

Jan 7, 1997

US-PAT-NO: 5591631

DOCUMENT-IDENTIFIER: US 5591631 A

TITLE: Anthrax toxin fusion proteins, nucleic acid encoding same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMOC
Draw Desc	Image									

☐ 58. Document ID: US 5554528 A

L12: Entry 58 of 58

File: USPT

Sep 10, 1996

US-PAT-NO: 5554528

DOCUMENT-IDENTIFIER: US 5554528 A

TITLE: Compositions and methods for inhibition of HIV production

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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=> default his

(FILE 'HOME' ENTERED AT 14:06:04 ON 07 MAR 2002)

FILE 'HCAPLUS' ENTERED AT 14:07:06 ON 07 MAR 2002

E MIKE17

E TRANSCRIPTION REGULATOR/CT

E E2+ALL

E TRANSCRIPTIONAL REGULATION/CT

E E3+ALL

L1 0 SEA ABB=ON PLU=ON MIKE17

L2 25075 SEA ABB=ON PLU=ON TRANSCRIPTION REGULATOR OR TRANSCRIPTIONAL  
REGULATION

L\*\*\* DEL 458 S CORYNEBACTERIA OR CORYNEBACTERIA GLUTAMICUM

E CORYNEBACTERIA/CT

E E3+ALL

E CORYNEFORM BACTERIA/CT

E E3+ALL

L3 1160 SEA ABB=ON PLU=ON CORYNEBACTERIA OR CORYNEBACTERIA GLUTAMICUM  
OR (BACTERIA (L) CORYNEFORM)

L4 7 SEA ABB=ON PLU=ON L2 (L) L3

D IBIB AB 1-7

L5 2 SEA ABB=ON PLU=ON L4 (L) (DNA OR CDNA OR NUCLEIC ACID OR

=> d.ilib ab 1-7

L4 ANSWER 1 OF 7 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:123219 HCAPLUS  
TITLE: Sequences of Corynebacterium glutamicum gene lysR3  
encoding transcription regulator and its use in  
increasing yields of L-lysine and L-valine in  
fermentation  
INVENTOR(S): Moeckel, Bettina; Kreutzer, Caroline  
PATENT ASSIGNEE(S): Degussa A.-G., Germany  
SOURCE: PCT Int. Appl., 37 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002012505	A1	20020214	WO 2001-EP7765	20010706
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 10039049	A1	20020221	DE 2000-10039049	20000810
PRIORITY APPLN. INFO.: DE 2000-10039049 A 20000810 US 2001-867537 A 20010531				

AB The invention provides sequences of Corynebacterium glutamicum gene lysR3  
that encodes a novel **transcription regulator**, and its  
uses in increasing the efficiency of fermn. of L-lysine and L-valine in  
**coryneform bacteria** by attenuation of the lysR3 gene.  
The gene was identified by querying a C. glutamicum sequence database for  
homologs of known lysR3 genes.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 7 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:123218 HCAPLUS  
TITLE: Sequences of Corynebacterium glutamicum gene lysR2  
encoding transcription regulator and its use in  
increasing yields of L-lysine and L-valine in  
fermentation  
INVENTOR(S): Moeckel, Bettina; Farwick, Mike; Hermann, Thomas;  
Kreutzer, Caroline; Pfefferle, Walter  
PATENT ASSIGNEE(S): Degussa A.-G., Germany  
SOURCE: PCT Int. Appl., 44 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002012504	A1	20020214	WO 2001-EP6808	20010615
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 DE 10110346 A1 20020221 DE 2001-10110346 20010303  
 PRIORITY APPLN. INFO.: DE 2000-10039047 A 20000810  
 DE 2001-10110346 A 20010303

AB The invention provides sequences of *Corynebacterium glutamicum* gene *lysR2* that encodes a novel **transcription regulator**, and its uses in increasing the efficiency of fermn. of L-lysine and L-valine in **coryneform bacteria** by attenuation of the *lysR2* gene.  
 The gene was identified by querying a *C. glutamicum* sequence database for homologs of known *lysR2* genes.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 7 HCAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2002:123057 HCAPLUS  
 TITLE: Sequences of *Corynebacterium glutamicum* gene *lysR1* encoding transcription regulator and its use in increasing yields of L-lysine in fermentation  
 INVENTOR(S): Moeckel, Bettina; Farwick, Mike; Hermann, Thomas; Kreutzer, Caroline; Pfefferle, Walter  
 PATENT ASSIGNEE(S): Degussa A.-G., Germany  
 SOURCE: PCT Int. Appl., 38 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002012295	A1	20020214	WO 2001-EP8258	20010718
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

DE 10039044 A1 20020221 DE 2000-10039044 20000810  
 PRIORITY APPLN. INFO.: DE 2000-10039044 A 20000810

AB The invention provides sequences of *Corynebacterium glutamicum* gene *lysR1* that encodes a novel **transcription regulator**, and its uses in increasing the efficiency of fermn. of L-lysine in **coryneform bacteria** by attenuation of the *lysR1* gene.  
 The gene was identified by querying a *C. glutamicum* sequence database for homologs of known *lysR1* genes.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 7 HCAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2002:123053 HCAPLUS  
 TITLE: Sequences of *Corynebacterium glutamicum* gene *luxR* encoding transcription regulator and its use in increasing yields of L-lysine in fermentation  
 INVENTOR(S): Moeckel, Bettina; Kreutzer, Caroline; Bathe, Brigitte  
 PATENT ASSIGNEE(S): Degussa A.-G., Germany  
 SOURCE: PCT Int. Appl., 32 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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-----  
 WO 2002012291 A2 20020214 WO 2001-EP8256 20010718  
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,  
 RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ,  
 VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 DE 10039043 A1 20020221 DE 2000-10039043 20000810

PRIORITY APPLN. INFO.:

DE 2000-10039043 A 20000810

AB The invention provides sequences of *Corynebacterium glutamicum* gene luxR that encodes a novel **transcription regulator**, and its uses in increasing the efficiency of fermn. of L-lysine in **coryneform bacteria** by attenuation of the luxR gene. The gene was identified by querying a C. glutamicum sequence database for homologs of known luxR genes.

L4 ANSWER 5 OF 7 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:28655 HCAPLUS

DOCUMENT NUMBER: 134:99670

TITLE: L-lysine producing coryneform bacteria and methods for the production of l-lysine

INVENTOR(S): Kreutzer, Caroline; Mockel, Bettina; Pfefferle, Walter; Eggeling, Lothar; Sahm, Hermann; Patek, Miroslav

PATENT ASSIGNEE(S): Degussa-Huels Aktiengesellschaft, Germany; Forschungszentrum Juelich

SOURCE: Eur. Pat. Appl., 28 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1067193	A1	20010110	EP 2000-114502	20000706
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 19931314	A1	20010111	DE 1999-19931314	19990707
JP 2001037495	A2	20010213	JP 2000-202550	20000704
BR 2000002445	A	20010508	BR 2000-2445	20000705
CN 1280185	A	20010117	CN 2000-120357	20000707

PRIORITY APPLN. INFO.:

DE 1999-19931314 A 19990707

AB The invention concerns the prodn. of L-amino acids by coryneform bacteria strain comprising an enhanced pyc gene (Pyruvat-carboxylase-gene), addnl. genes are chosen from the dapA gene group (dihydrodipicolinate synthase gene), lysC gene (aspartate kinase gene), lysE gene (lysine-export-carrier-gene), dapB gene (dihydrodipicolinate reductase gene), that are used by one or together. The dapA gene was most effective enhancer of L-lysine prodn. The following L-lysine strain producers were established: Escherichia coli K12 DSM 12871, DSM 12875, and Corynebacterium glutamicum DSM 12869, DSM 12867, DSM 12868, DSM 12866.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 7 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:180578 HCAPLUS

DOCUMENT NUMBER: 128:227076

TITLE: Promoter DNA fragment from Coryneform bacteria with applications for recombinant DNA techniques utilized to examine gene expression

INVENTOR(S): Zupancic, Thomas J.; Yukawa, Hideaki

PATENT ASSIGNEE(S): Mitsubishi Chemical Corp., Japan



SOURCE: U.S., 40 pp. Cont.-in-part of U.S. Ser. No. 76,091.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 3  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5726299	A	19980310	US 1994-285641	19940801
US 5693781	A	19971202	US 1993-76091	19930615
PRIORITY APPLN. INFO.:			US 1991-709151	19910603
			US 1993-76091	19930615

AB Coryneform bacteria are Gram-pos. bacteria widely used for industrial-scale prodn. of a variety of products including amino acids, such as glutamic acid and aspartic acid: and purine nucleotides, such as inosinic acid, etc. However, compared with Escherichia coli, coryneform bacteria have not been extensively bred by using recombinant DNA techniques. To fully utilized the recombinant DNA techniques for breeding of coryneform bacteria, a vector must be developed useful for industrial-scale gene manipulation in coryneform bacterial. More specifically, a promoter having strong gene expression function which may be controlled would be very valuable. Coryneform bacteria promoter DNA fragments are disclosed having greater promoter strength in Coryneform bacteria cells than the tac promoter obtained by fusing Escherichia coli trp promoter and lac promoter. The promoter function of some of the promoter DNA fragments is controllable by replacing at least one of the culture-medium ingredients with at least one other ingredient. The sizes and nucleotide sequences of these promoter DNA fragments are also presented.

L4 ANSWER 7 OF 7 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:776023 HCAPLUS

DOCUMENT NUMBER: 128:71647

TITLE: Promoter DNA fragment from Coryneform bacteria with applications for recombinant DNA techniques utilized to examine gene expression

INVENTOR(S): Zupancic, Thomas J.; Yukawa, Hideaki

PATENT ASSIGNEE(S): Mitsubishi Chemical Corp., Japan

SOURCE: U.S., 36 pp. Cont.-in-part of U.S. Ser. No. 709,151, abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5693781	A	19971202	US 1993-76091	19930615
EP 629699	A2	19941221	EP 1994-108738	19940607
EP 629699	A3	19960424		
EP 629699	B1	19981209		
R: BE, DE, FR, GB, IT, NL				
EP 803575	A1	19971029	EP 1997-108382	19940607
R: BE, DE, FR, GB, IT, NL				
JP 07095891	A2	19950411	JP 1994-127816	19940609
US 5726299	A	19980310	US 1994-285641	19940801
PRIORITY APPLN. INFO.:			US 1991-709151	19910603
			US 1993-76091	19930615
			EP 1994-108738	19940607

AB Coryneform bacteria are Gram-pos. bacteria widely used for industrial-scale prodn. of a variety of products including amino acids, such as glutamic acid and aspartic acid: and purine nucleotides, such as inosinic acid, etc. However, compared with Escherichia coli, coryneform bacteria have not been extensively bred by using recombinant DNA techniques. To fully utilized the recombinant DNA techniques for breeding

.of coryneform bacteria, a vector must be developed useful for industrial-scale gene manipulation in coryneform bacterial. More specifically, a promoter having strong gene expression function which may be controlled would be very valuable. Coryneform bacteria promoter DNA fragments are disclosed having greater promoter strength in Coryneform bacteria cells than the tac promoter obtained by fusing Escherichia coli trp promoter and lac promoter. The promoter function of some of the promoter DNA fragments is controllable by replacing at least one of the culture-medium ingredients with at least one other ingredient. The sizes and nucleotide sequences of these promoter DNA fragments are also presented.

=> d.ibib ab 1-2

L5 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:180578 HCAPLUS  
DOCUMENT NUMBER: 128:227076  
TITLE: Promoter DNA fragment from Coryneform bacteria with applications for recombinant DNA techniques utilized to examine gene expression  
INVENTOR(S): Zupancic, Thomas J.; Yukawa, Hideaki  
PATENT ASSIGNEE(S): Mitsubishi Chemical Corp., Japan  
SOURCE: U.S., 40 pp. Cont.-in-part of U.S. Ser. No. 76,091.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 3  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5726299	A	19980310	US 1994-285641	19940801
US 5693781	A	19971202	US 1993-76091	19930615
PRIORITY APPLN. INFO.:			US 1991-709151	19910603
			US 1993-76091	19930615

AB Coryneform bacteria are Gram-pos. bacteria widely used for industrial-scale prodn. of a variety of products including amino acids, such as glutamic acid and aspartic acid: and purine nucleotides, such as inosinic acid, etc. However, compared with Escherichia coli, coryneform bacteria have not been extensively bred by using recombinant DNA techniques. To fully utilized the recombinant DNA techniques for breeding of coryneform bacteria, a vector must be developed useful for industrial-scale gene manipulation in coryneform bacterial. More specifically, a promoter having strong gene expression function which may be controlled would be very valuable. Coryneform bacteria promoter DNA fragments are disclosed having greater promoter strength in Coryneform bacteria cells than the tac promoter obtained by fusing Escherichia coli trp promoter and lac promoter. The promoter function of some of the promoter DNA fragments is controllable by replacing at least one of the culture-medium ingredients with at least one other ingredient. The sizes and nucleotide sequences of these promoter DNA fragments are also presented.

L5 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:776023 HCAPLUS  
DOCUMENT NUMBER: 128:71647  
TITLE: Promoter DNA fragment from Coryneform bacteria with applications for recombinant DNA techniques utilized to examine gene expression  
INVENTOR(S): Zupancic, Thomas J.; Yukawa, Hideaki  
PATENT ASSIGNEE(S): Mitsubishi Chemical Corp., Japan  
SOURCE: U.S., 36 pp. Cont.-in-part of U.S. Ser. No. 709,151, abandoned.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 3  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5693781	A	19971202	US 1993-76091	19930615
EP 629699	A2	19941221	EP 1994-108738	19940607
EP 629699	A3	19960424		
EP 629699	B1	19981209		
R: BE, DE, FR, GB, IT, NL				
EP 803575	A1	19971029	EP 1997-108382	19940607
R: BE, DE, FR, GB, IT, NL				
JP 07095891	A2	19950411	JP 1994-127816	19940609

US 5726299	A	19980310	US 1994-285641	19940801
PRIORITY APPLN. INFO.:			US 1991-709151	19910603
			US 1993-76091	19930615
			EP 1994-108738	19940607

AB Coryneform bacteria are Gram-pos. bacteria widely used for industrial-scale prodn. of a variety of products including amino acids, such as glutamic acid and aspartic acid: and purine nucleotides, such as inosinic acid, etc. However, compared with Escherichia coli, coryneform bacteria have not been extensively bred by using recombinant DNA techniques. To fully utilized the recombinant DNA techniques for breeding of coryneform bacteria, a vector must be developed useful for industrial-scale gene manipulation in coryneform bacterial. More specifically, a promoter having strong gene expression function which may be controlled would be very valuable. Coryneform bacteria promoter DNA fragments are disclosed having greater promoter strength in Coryneform bacteria cells than the tac promoter obtained by fusing Escherichia coli trp promoter and lac promoter. The promoter function of some of the promoter DNA fragments is controllable by replacing at least one of the culture-medium ingredients with at least one other ingredient. The sizes and nucleotide sequences of these promoter DNA fragments are also presented.

# Alignment No. 1

## seq documentation block:

LOCUS AQ757887 565 bp DNA GSS 27-JUL-1999  
DEFINITION HS\_5478\_B1\_F05\_T7A RPCI-11 Human Male BAC Library Homo sapiens  
genomic clone Plate=1054 Col=9 Row=L, DNA sequence.  
ACCESSION AQ757887  
VERSION AQ757887.1 GI:5622889  
KEYWORDS GSS.  
SOURCE human.  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1 (bases 1 to 565)  
AUTHORS Mahairas, G.G., Wallace, J.C., Smith, K., Swartzell, S., Holzman, T.,  
Keller, A., Shaker, R., Furlong, J., Young, J., Zhao, S., Adams, M.D. and  
Hood, L.  
TITLE Sequence-tagged connectors: A sequence approach to mapping and  
scanning the human genome  
JOURNAL Proc. Natl. Acad. Sci. U. S. A. 96 (17), 9739-9744 (1999)  
MEDLINE 99380589  
COMMENT Contact: Mahairas GG, Wallace JC, Hood L  
High Throughput Sequencing Center  
University of Washington  
401 Queen Anne Avenue North, Seattle, WA 98109, USA  
Tel: (206) 616-3618  
Fax: (206) 616-3887  
Email: jwallace@u.washington.edu  
Clones are derived from the human BAC library RPCI-11. For BAC  
library availability, please contact Pieter de Jong  
(pieter@dejong.med.buffalo.edu). Clones may be purchased from  
BACPAC Resources ([http://bacpac.med.buffalo.edu/ordering\\_bac.htm](http://bacpac.med.buffalo.edu/ordering_bac.htm))  
or from Resear h Genetics (info@resgen.com). BAC end Web Server:  
<http://www.htsc.washington.edu>  
Plate: 1054 row: L column: 9  
Seq primer: T7  
Class: BAC ends  
High quality sequence stop: 565.  
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source Location/Qualifiers  
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and partially digested with a combination of EcoRI and  
EcoRI Methylase. Size selected DNA was cloned into the  
pBACe3.6 vector at EcoRI sites"  
BASE COUNT 182 a 147 c 102 g 129 t 5 others  
ORIGIN

## alignment\_scores:

Quality: 10.00 Length: 10  
Ratio: 1.000 Gaps: 0  
Percent Similarity: 100.000 Percent Identity: 100.000

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US-09-825-293-2 x AQ757887 ..

Align seg 1/1 to: AQ757887 from: 1 to: 565

310 GluThrThrAlaHisArgLeuSerThrLeu 319

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276 GAGACGACTGCACACAGATTGAGCACTCTA 305

# Alignment No. 2

RESULT 5  
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 Mastigamoeba balamuthi cDNA similar to cytosolic NADP+-dependent  
 isocitrate dehydrogenase, mRNA sequence.  
 ACCESSION BE636602  
 VERSION BE636602.1 GI:9919713  
 KEYWORDS EST.  
 SOURCE Mastigamoeba balamuthi.  
 ORGANISM Mastigamoeba balamuthi  
 Eukaryota; Mastigamoeba.  
 REFERENCE 1 (bases 1 to 800)  
 AUTHORS Lee, J.A., Moore, D.V., Gordon, P., Sensen, C.W., Gaasterland, T. and  
 Muller, M.  
 TITLE cDNA clones (expressed sequence tags) from the free-living  
 amitochondriate amoeboflagellate, Mastigamoeba balamuthi  
 JOURNAL Unpublished (2000)  
 COMMENT Contact: Muller Miklos  
 Laboratory of Biochemical Parasitology  
 The Rockefeller University  
 1230 York Avenue, New York, NY 10021, USA  
 Email: mmuller@rockvax.rockefeller.edu  
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 ORIGIN

Query Match 3.0%; Score 57.6; DB 10; Length 800;  
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 Matches 222; Conservative 0; Mismatches 274; Indels 0; Gaps 0;

Qy 881 cacgctgcaccacttcgacccccgagacgcgtctgctgacaatccacgcacgcctcaaccc 940  
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 Db 510 CCCCCACCAACCCACCTCCCTCCACCAACCCCTCCACAACCAACCCCAACCCCTCTTCTCCT 451  
 Qy 941 cgggcaacgcgccttcgcgatggccaccgaactcggctacctagaagccaacgacctcat 1000  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 450 CCACCTTCCCCCTCCCAACCCCTCCCAACCAACATCCACCCATCCACTTCCT 391  
 Qy 1001 cgaaggtatcggttgacgacggcatctggtccacccccgaagcccgacccctagccatccg 1060  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 390 CCTCCTCCCTCCTTCTTCTCCTACACCCCTACTCCCCCTCACCTCCCTCCCCCT 331  
 Qy 1061 cggtgtggcctcctacttcgcgcgcgcgctgatgctgcctacaaaatcttccactccga 1120  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 330 CTCCCCCTCCACCTCTTCCCTCCCCCACATCACCACCCACCTCATCCCCCACCCA 271  
 Qy 1121 ggccgaaaaatccggctacgacatcgagtacctaggccaaactctttggcggtgggctatga 1180

Db 270 CCCCTACCCCTCCCCACCCACTCCCTCTCCACCTCCCCCTCCTACTTCTTCCACCCCCA 211  
 Qy 1181 gacaaccgcccaccgcttgtccaccctgcagcgccccaacctgcgcgcatcccctttac 1240  
 Db 210 CACCAACCCCCCTTCTCTTCATCATCTACCCACCATCTCCTCCATCACCCCTCCTC 151  
 Qy 1241 cttcgtgcgctgcgaccgcgccggcaacatgtccaaacgccaatccgccaccggcttcca 1300  
 Db 150 CTACTACATCCCCCCCCCTTCAACTCCCCACCTACTCCTTCTCCTACACCTCCTCCAA 91  
 Qy 1301 cttcaccactacggcggaacctgccccctgtggaacgtggttgaaaccttcaccaaccc 1360  
 Db 90 CATCCTCTTCAACCTCCCCTCCTACCTCTTCACCATCCTCTTCTCCTCCACACCAACAC 31  
 Qy 1361 cggccaagtgcctccgc 1376  
 Db 30 CCCCTCCTTCTTCCCC 15



# Alignment No. 1

## seq documentation block:

LOCUS AQ757887 565 bp DNA GSS 27-JUL-1999  
DEFINITION HS\_5478\_B1\_F05\_T7A RPCI-11 Human Male BAC Library Homo sapiens  
genomic clone Plate=1054 Col=9 Row=L, DNA sequence.  
ACCESSION AQ757887  
VERSION AQ757887.1 GI:5622889  
KEYWORDS GSS.  
SOURCE human.  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1 (bases 1 to 565)  
AUTHORS Mahairas,G.G., Wallace,J.C., Smith,K., Swartzell,S., Holzman,T.,  
Keller,A., Shaker,R., Furlong,J., Young,J., Zhao,S., Adams,M.D. and  
Hood,L.  
TITLE Sequence-tagged connectors: A sequence approach to mapping and  
scanning the human genome  
JOURNAL Proc. Natl. Acad. Sci. U. S. A. 96 (17), 9739-9744 (1999)  
MEDLINE 99380589  
COMMENT Contact: Mahairas GG, Wallace JC, Hood L  
High Throughput Sequencing Center  
University of Washington  
401 Queen Anne Avenue North, Seattle, WA 98109, USA  
Tel: (206) 616-3618  
Fax: (206) 616-3887  
Email: jwallace@u.washington.edu  
Clones are derived from the human BAC library RPCI-11. For BAC  
library availability, please contact Pieter de Jong  
(pieter@dejong.med.buffalo.edu). Clones may be purchased from  
BACPAC Resources ([http://bacpac.med.buffalo.edu/ordering\\_bac.htm](http://bacpac.med.buffalo.edu/ordering_bac.htm))  
or from Resear h Genetics (info@resgen.com). BAC end Web Server:  
<http://www.htsc.washington.edu>  
Plate: 1054 row: L column: 9  
Seq primer: T7  
Class: BAC ends  
High quality sequence stop: 565.  
FEATURES Location/Qualifiers  
source 1. .565  
/organism="Homo sapiens"  
/db\_xref="taxon:9606"  
/clone="Plate=1054 Col=9 Row=L"  
/clone\_lib="RPCI-11 Human Male BAC Library"  
/sex="male"  
/note="Vector: pBACe3.6; Site\_1: EcoRI; Site\_2: EcoRI;  
Male blood DNA was isolated from one randomly chosen donor  
and partially digested with a combination of EcoRI and  
EcoRI Methylase. Size selected DNA was cloned into the  
pBACe3.6 vector at EcoRI sites"  
BASE COUNT 182 a 147 c 102 g 129 t 5 others  
ORIGIN

## alignment\_scores:

Quality: 10.00 Length: 10  
Ratio: 1.000 Gaps: 0  
Percent Similarity: 100.000 Percent Identity: 100.000

alignment\_block:

US-09-825-293-2 x AQ757887 ..

Align seg 1/1 to: AQ757887 from: 1 to: 565

310 GluThrThrAlaHisArgLeuSerThrLeu 319

|||||

276 GAGACGACTGCACACAGATTGAGCACTCTA 305

# Alignment No. 2

RESULT 5  
 BE636602/c  
 LOCUS BE636602 800 bp mRNA EST 25-AUG-2000  
 DEFINITION rockefeller.0.211 Mastigamoeba balamuthi lambda ZAP II Library  
 Mastigamoeba balamuthi cDNA similar to cytosolic NADP+-dependent  
 isocitrate dehydrogenase, mRNA sequence.  
 ACCESSION BE636602  
 VERSION BE636602.1 GI:9919713  
 KEYWORDS EST.  
 SOURCE Mastigamoeba balamuthi.  
 ORGANISM Mastigamoeba balamuthi  
 Eukaryota; Mastigamoeba.  
 REFERENCE 1 (bases 1 to 800)  
 AUTHORS Lee, J.A., Moore, D.V., Gordon, P., Sensen, C.W., Gaasterland, T. and  
 Muller, M.  
 TITLE cDNA clones (expressed sequence tags) from the free-living  
 amitochondriate amoeboflagellate, Mastigamoeba balamuthi  
 JOURNAL Unpublished (2000)  
 COMMENT Contact: Muller Miklos  
 Laboratory of Biochemical Parasitology  
 The Rockefeller University  
 1230 York Avenue, New York, NY 10021, USA  
 Email: mmuller@rockvax.rockefeller.edu  
 Insert Length: 800 Std Error: 0.00  
 POLYA=Yes.  
 FEATURES Location/Qualifiers  
 source 1. .800  
 /organism="Mastigamoeba balamuthi"  
 /strain="ATCC 30984"  
 /db\_xref="taxon:108607"  
 /clone\_lib="Mastigamoeba balamuthi lambda ZAP II Library"  
 /note="syn: Phreatamoeba balamuthi"  
 BASE COUNT 174 a 0 c 516 g 110 t  
 ORIGIN

Query Match 3.0%; Score 57.6; DB 10; Length 800;  
 Best Local Similarity 44.8%; Pred. No. 0.0067;  
 Matches 222; Conservative 0; Mismatches 274; Indels 0; Gaps 0;

Qy 881 cacgctgcaccacttcgacccccgagacgcgtctgctgacaatccacgcacgcctcaaccc 940  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 510 CCCCCACCAACCCACCTCCCTCCACCAACCCCTCCACAACCAACCCACCCCTCTTCTCCT 451  
 Qy 941 cgggcaacgcgccttccgcatggccaccgaactcggctacctagaagccaacgacctcat 1000  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 450 CCACCTTCCCCCTCCCAACCCCTCCACCCCAACATCCACCCCATCCACTTCCT 391  
 Qy 1001 cgaaggtatcgttgacgacggcatctggtccacccccgaagcccgacccctagccatccg 1060  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 390 CCTCCTCCCTCCTTCTTCTCCTACACCCCTACTCCCCCTCACCTCCCTCCCCCT 331  
 Qy 1061 cgggtgtggcctcctacttcgccgccggtgatgctgccctacaaaatcttccactccga 1120  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 330 CTCCCCCTCCACCTCTTCCCTCCCCCACATCACCACCCACCTCATCACCCCAACCA 271  
 Qy 1121 ggccgaaaaatccggctacgacatcgagtacctaggccaactctttggcggtgggctatga 1180

Db	270	CCCCTACCCCTCCCCACCCACTCCCTCTCCACCTCCCCCTCCTACTTCTTCCACCCCCA	211
Qy	1181	gacaaccgccccaccgcttggtccaccctgcagcgccccaacctgcggggcatccccctttac	1240
Db	210	CACCAACCCCCCTTCCTCTTCATCATCTACCCACCATCTCCTCCATCACCCCTCCTC	151
Qy	1241	cttcgtgcgcgtcgaccgcgcggcaacatgtccaaacgccaatccgccaccggcttcca	1300
Db	150	CTACTACATCCCCCCCCCTTCAACTCCCCACCTACTCCTTCTCCTACACCTCCTCCAA	91
Qy	1301	cttcacccactacggcggcacctgccccctgtggaacgtgtttgaaaccttcaccaaccc	1360
Db	90	CATCCTCTTCAACCTCCCTCCTACCTCTTACCATCCTCTTCTCCTCCACACCAACAC	31
Qy	1361	cggccaagtgtctccgc	1376
Db	30	CCCCTCCTTCTTCCCC	15